Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/17/2019 11:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125513	0	1.85	125534	1.89
Blue	F	SSC	125000	125185	0	1.56	125999	1.55
Blue	E	FITC	16122	15783	-3	2.74	342	19.86
Blue	D	PE	29316	28855	-2	2.01	630	14.36
Blue	B	PerCP-Cy5-5	42590	41592	-3	3.64	1122	19.77
Blue	A	PE-Cy7	33146	32759	-2	6.10	629	39.22
Red	C	APC	45473	44297	-3	2.50	1566	12.15
Red	A	APC-Cy7	31961	30894	-4	2.45	816	11.97
Violet	B	V450	7914	7473	-6	4.30	420	13.64
Violet	A	V500	29769	28681	-4	4.00	667	10.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21545	3.10	604	4	N/A	N/A	Pass
Blue	F	SSC	56850	1.12	543	5	N/A	N/A	Pass
Blue	E	FITC	62	65.09	537	0	0.0212	190	Pass
Blue	D	PE	131	49.99	539	2	0.1845	326	Pass
Blue	B	PerCP-Cy5-5	206	48.32	638	0	0.0096	51	Pass
Blue	A	PE-Cy7	117	98.20	693	2	0.0119	20	Pass
Red	C	APC	370	25.43	585	6	0.0244	150	Pass
Red	A	APC-Cy7	179	28.66	562	6	0.0056	930	Pass
Violet	B	V450	66	61.58	459	-1	0.0488	2287	Pass
Violet	A	V500	100	37.44	472	0	0.0223	1299	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/17/2019 11:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.07	-31.73	1.02
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.53
Red	15.96	13.60 - 20.40	N/A	N/A	29.29	29.68	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9543

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments